

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE082516\
 Data File : BE092277.D
 Acq On : 25 Aug 2016 18:06
 Operator : UM/SJ
 Sample : SSTD0.167
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.167

Quant Time: Aug 26 04:20:20 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 04:20:28 2016
 Response via : Initial Calibration

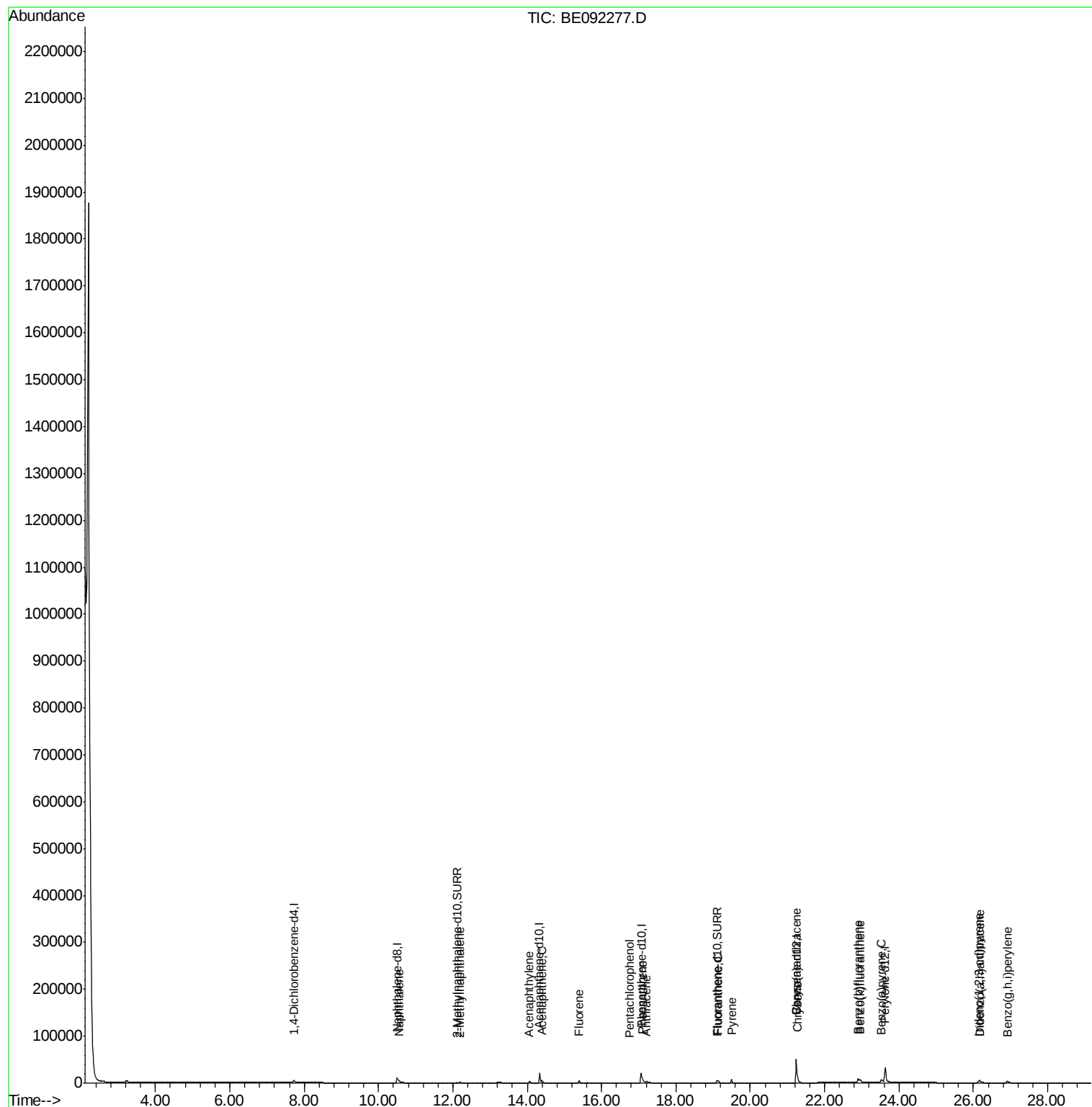
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	5081	0.40	ng/ul	0.00
2) Naphthalene-d8	10.50	136	24780	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.33	164	14776	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	38457	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	57412	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	56512	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3216	0.10	ng/ul	0.02
14) Fluoranthene-d10	19.10	212	8674	0.10	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.55	128	5721	0.09	ng/ul	95
5) 2-Methylnaphthalene	12.19	142	3643	0.09	ng/ul	98
7) Acenaphthylene	14.06	152	5841	0.08	ng/ul	96
8) Acenaphthene	14.39	153	4262	0.09	ng/ul	97
9) Fluorene	15.39	166	4789	0.08	ng/ul	97
11) Pentachlorophenol	16.75	266	375	0.04	ng/ul	97
12) Phenanthrene	17.10	178	8630	0.08	ng/ul	95
13) Anthracene	17.20	178	7372	0.07	ng/ul#	93
15) Fluoranthene	19.13	202	9956	0.08	ng/ul	98
17) Pyrene	19.50	202	10648	0.06	ng/ul	100
18) Benzo(a)anthracene	21.23	228	9463	0.06	ng/ul	99
19) Chrysene	21.27	228	12014	0.07	ng/ul	99
21) Benzo(b)fluoranthene	22.90	252	10367	0.05	ng/ul	91
22) Benzo(k)fluoranthene	22.95	252	12449	0.07	ng/ul#	88
23) Benzo(a)pyrene	23.53	252	11276	0.06	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.15	276	11668	0.06	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.17	278	9116	0.05	ng/ul#	89
26) Benzo(g,h,i)perylene	26.91	276	10722	0.06	ng/ul	95

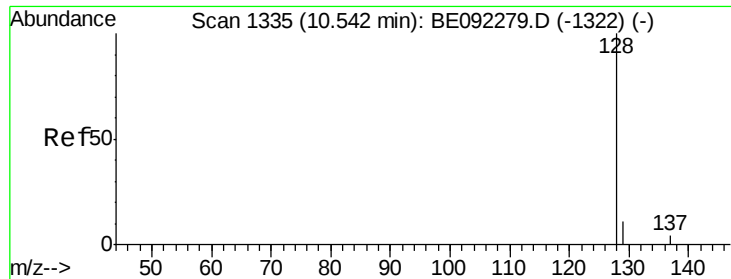
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.09 ng/ul

RT: 10.55 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

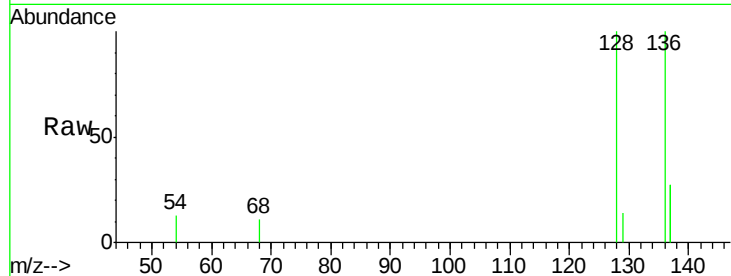
Tgt Ion:128 Resp: 5721

Ion Ratio Lower Upper

128 100

129 14.0 9.7 14.5

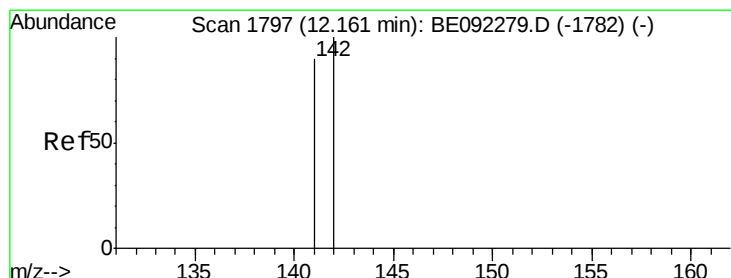
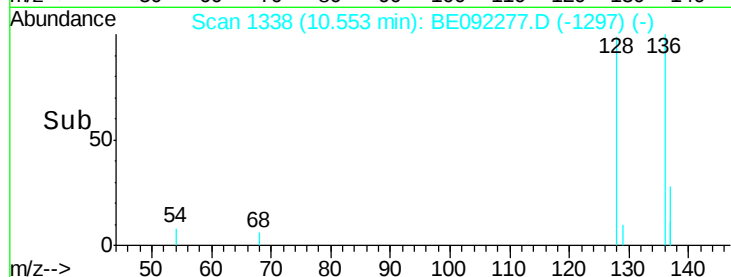
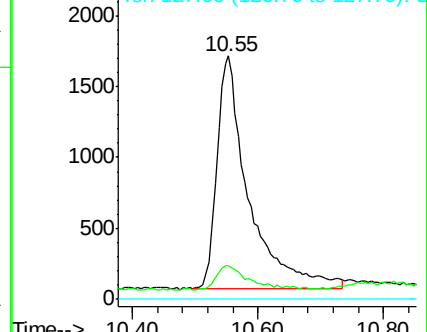
127 0.0 0.0 0.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 12.19 min Scan# 1808

Delta R.T. 0.03 min

Lab File: BE092277.D

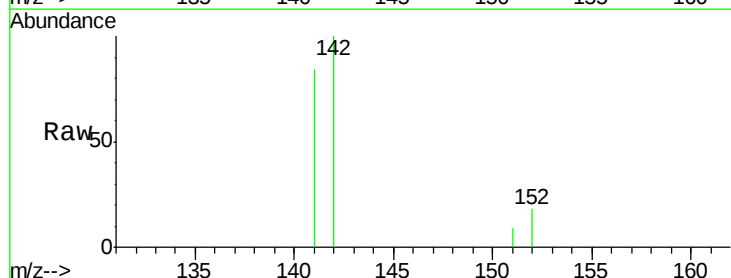
Acq: 25 Aug 2016 18:06

Tgt Ion:142 Resp: 3643

Ion Ratio Lower Upper

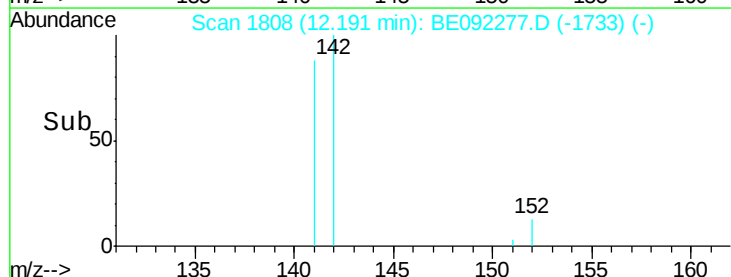
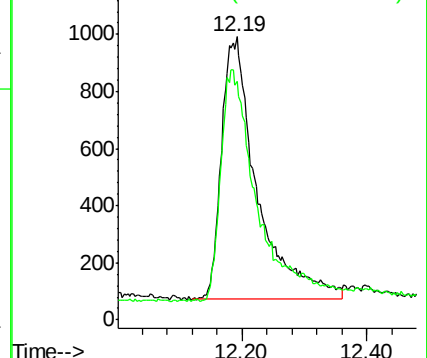
142 100

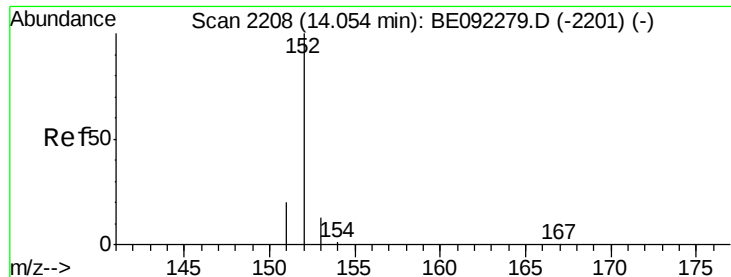
141 91.6 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.06 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

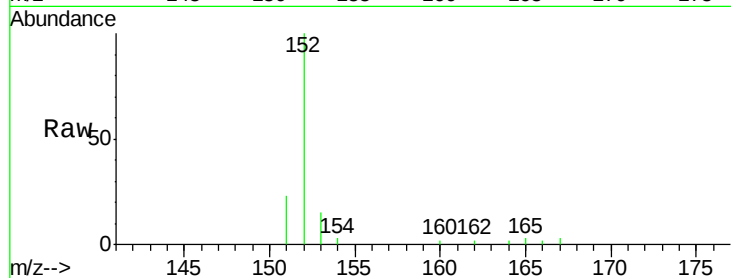
Tgt Ion:152 Resp: 5841

Ion Ratio Lower Upper

152 100

151 22.6 16.2 24.2

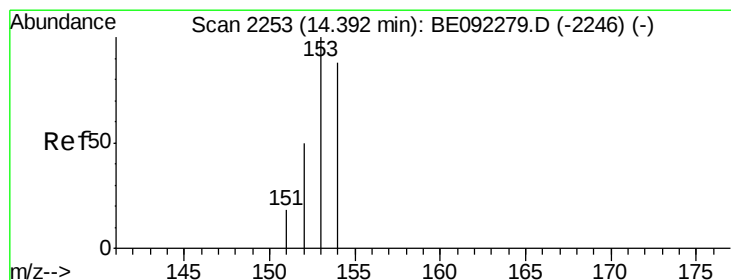
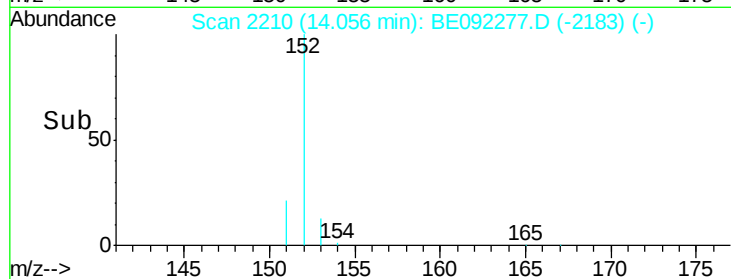
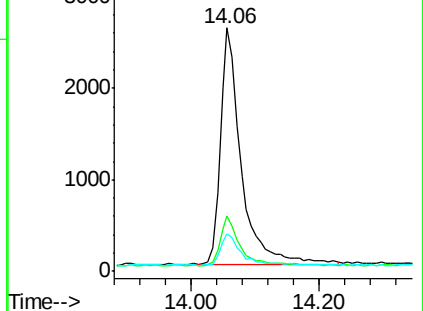
153 15.3 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.09 ng/ul

RT: 14.39 min Scan# 2255

Delta R.T. 0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

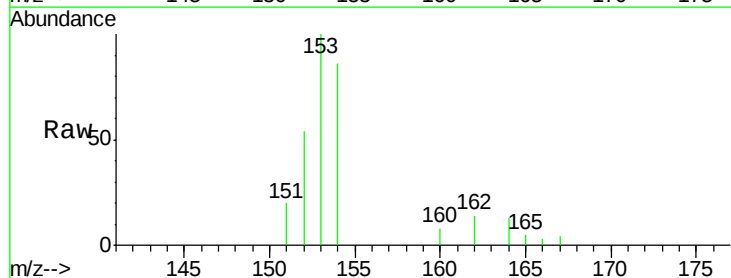
Tgt Ion:153 Resp: 4262

Ion Ratio Lower Upper

153 100

152 54.0 40.9 61.3

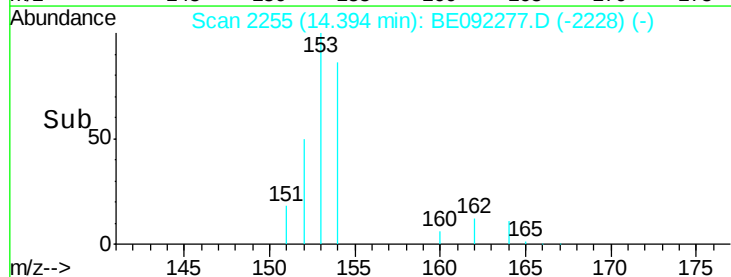
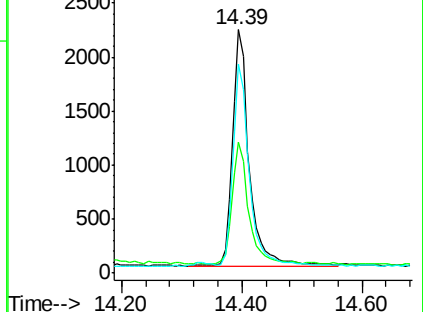
154 85.7 70.6 106.0

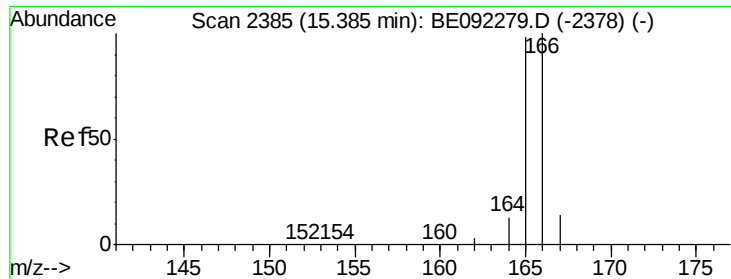


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.08 ng/ul

RT: 15.39 min Scan# 2388

Delta R.T. 0.01 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

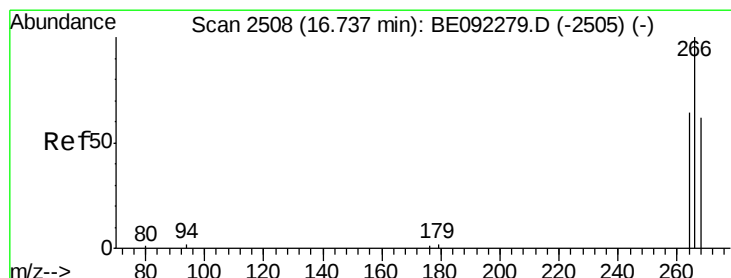
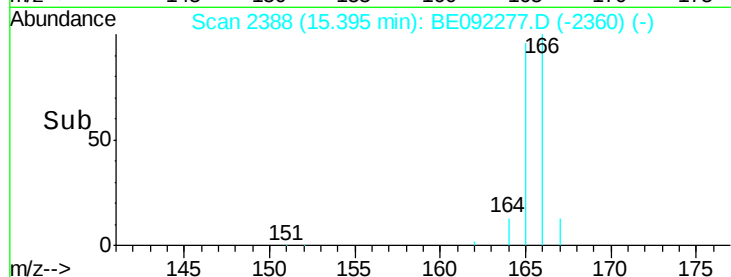
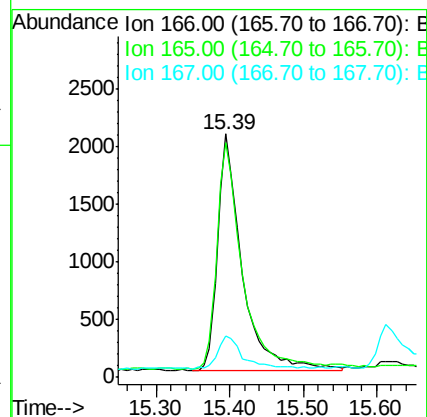
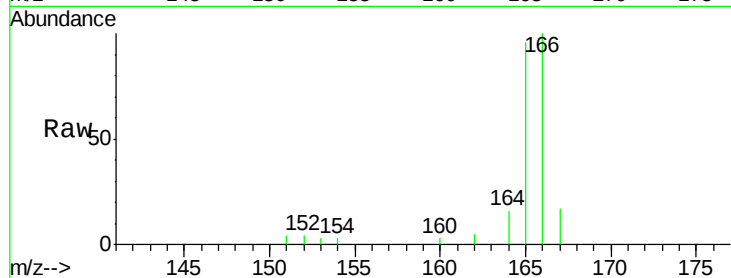
Tgt Ion:166 Resp: 4789

Ion Ratio Lower Upper

166 100

165 96.3 78.7 118.1

167 16.9 11.5 17.3



#11

Pentachlorophenol

Concen: 0.04 ng/ul

RT: 16.75 min Scan# 2511

Delta R.T. 0.02 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

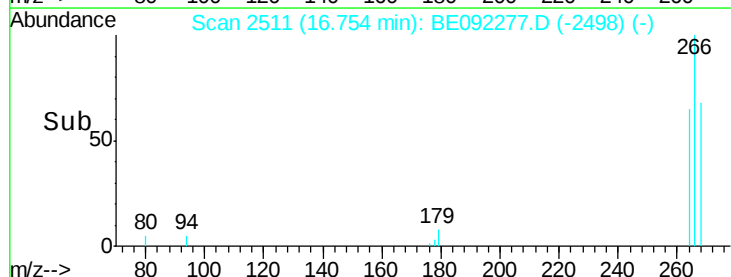
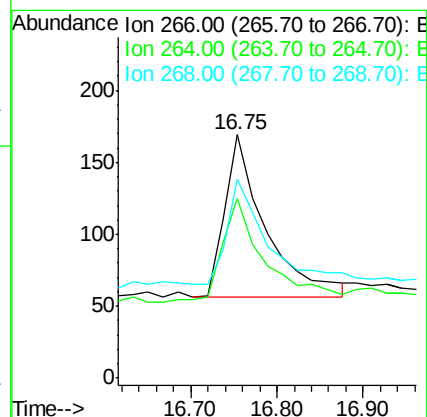
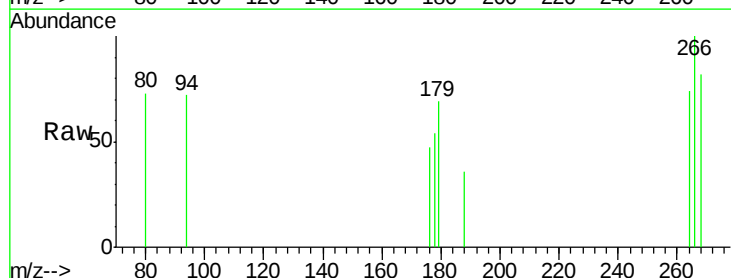
Tgt Ion:266 Resp: 375

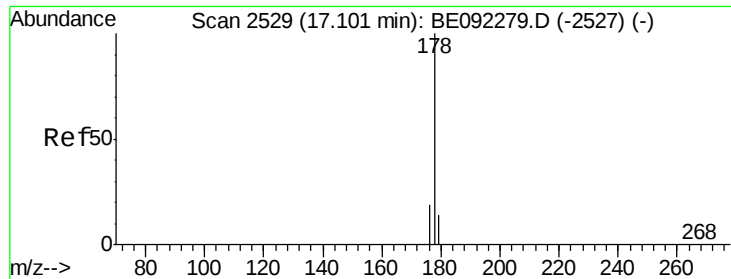
Ion Ratio Lower Upper

266 100

264 66.9 53.0 79.6

268 60.8 52.3 78.5





#12

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.10 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

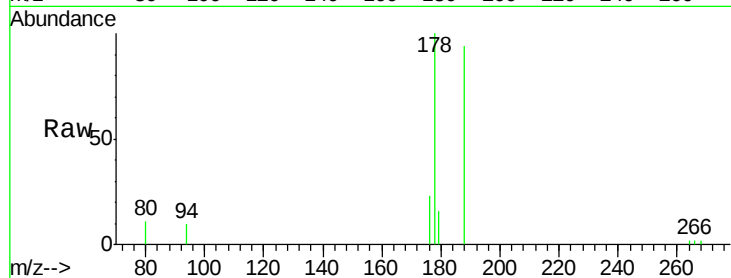
Tgt Ion:178 Resp: 8630

Ion Ratio Lower Upper

178 100

176 23.1 15.8 23.8

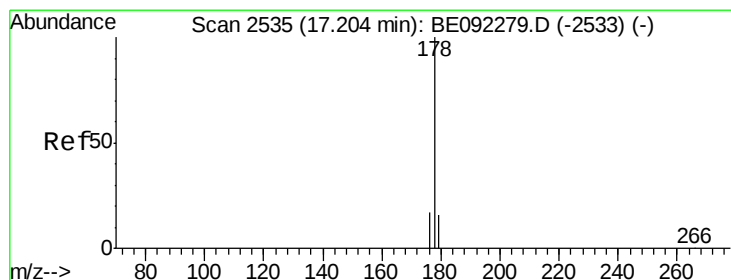
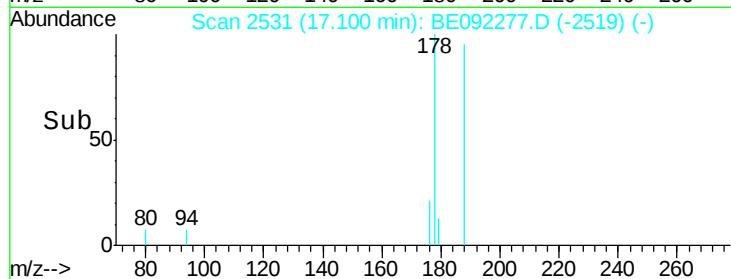
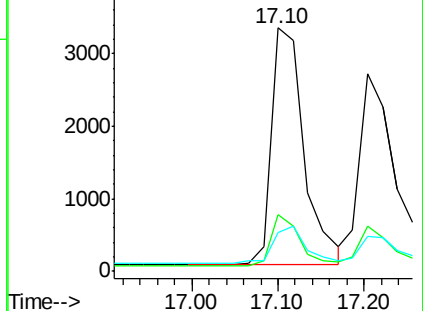
179 16.2 11.9 17.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#13

Anthracene

Concen: 0.07 ng/ul

RT: 17.20 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

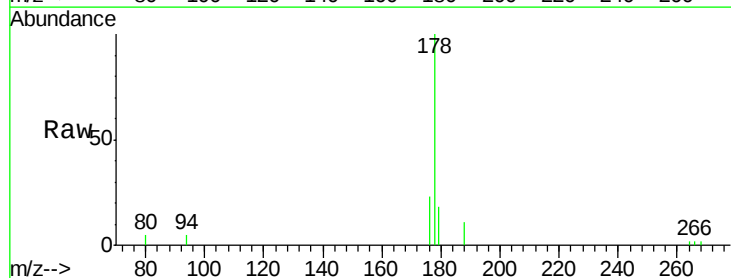
Tgt Ion:178 Resp: 7372

Ion Ratio Lower Upper

178 100

176 23.0 14.0 21.0#

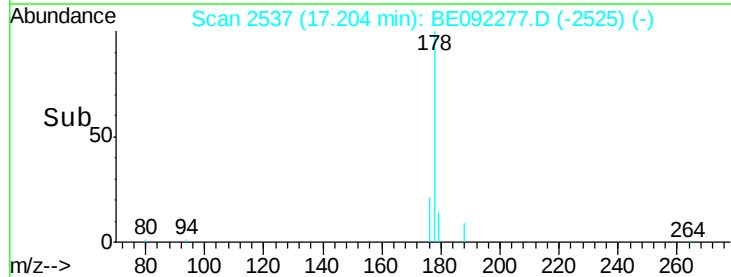
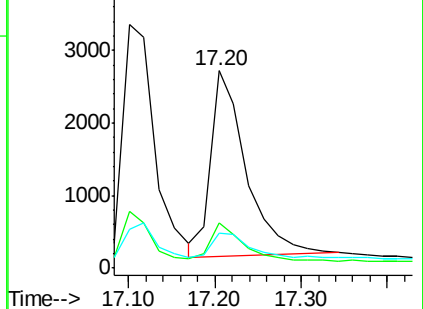
179 17.7 13.6 20.4

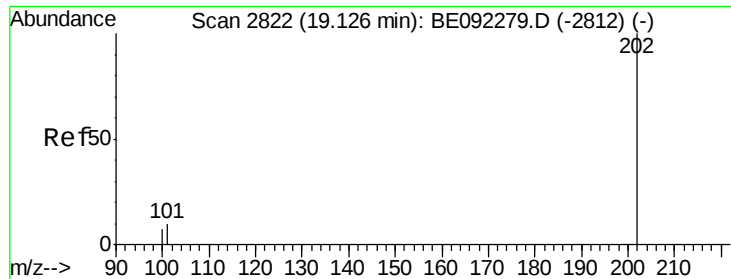


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.08 ng/ul

RT: 19.13 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

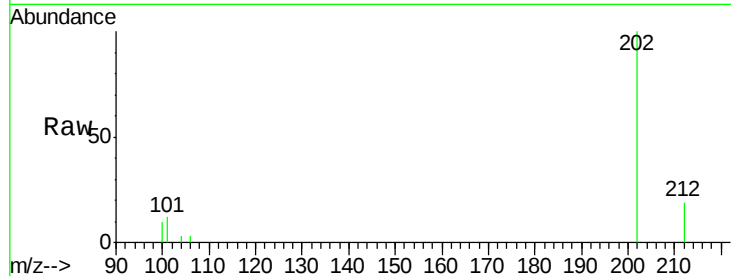
Tgt Ion:202 Resp: 9956

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.8

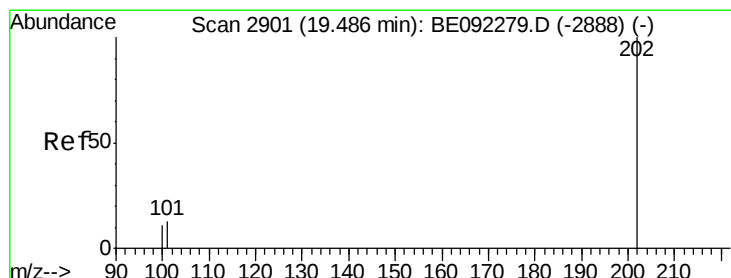
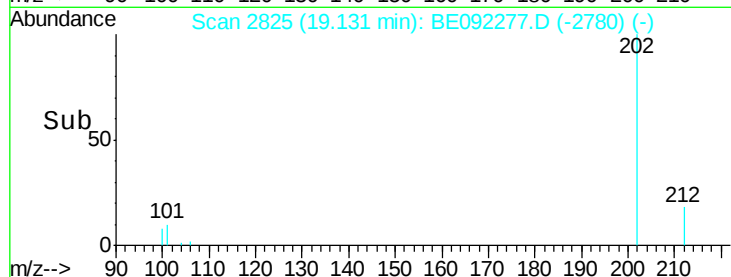
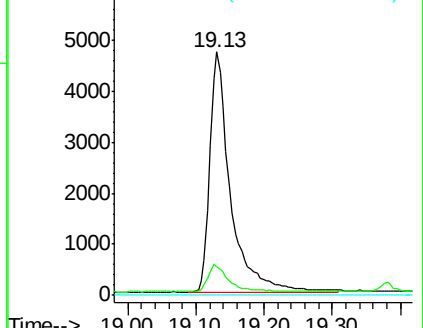
203 0.0 0.0 20.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#17

Pyrene

Concen: 0.06 ng/ul

RT: 19.50 min Scan# 2905

Delta R.T. 0.01 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

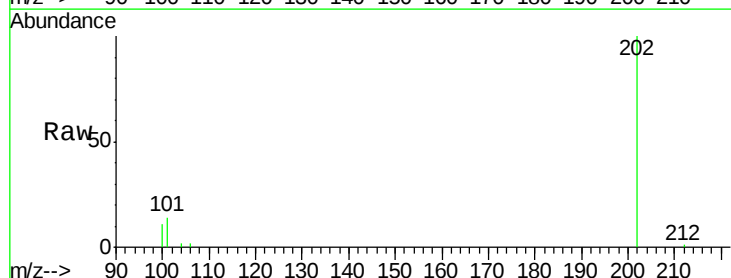
Tgt Ion:202 Resp: 10648

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

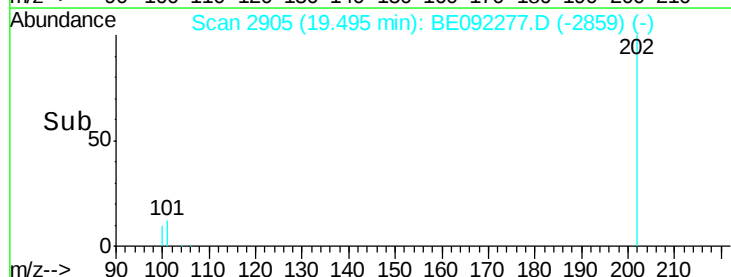
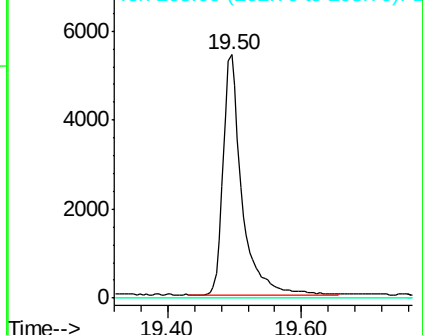
203 0.0 0.0 0.0

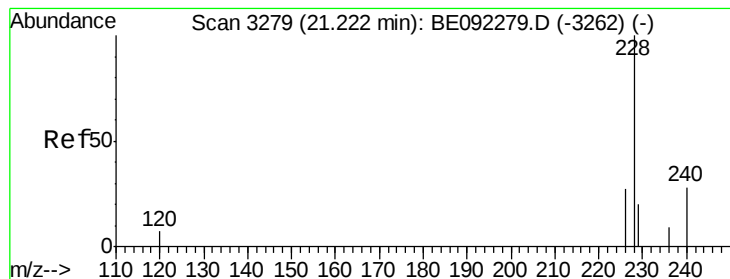


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.23 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

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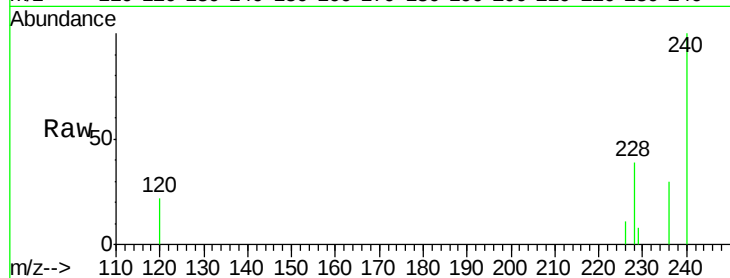
Tgt Ion:228 Resp: 9463

Ion Ratio Lower Upper

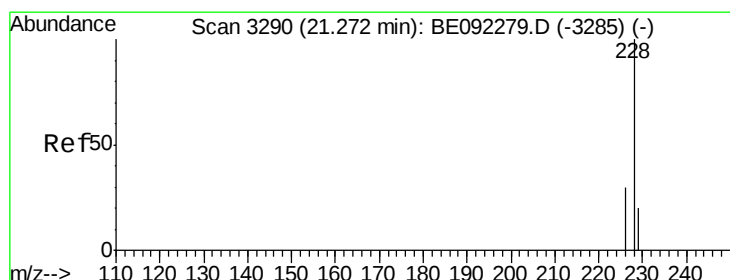
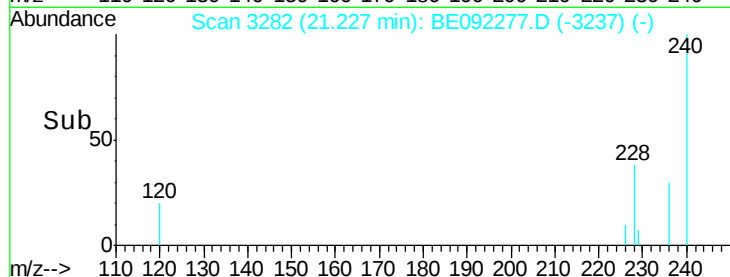
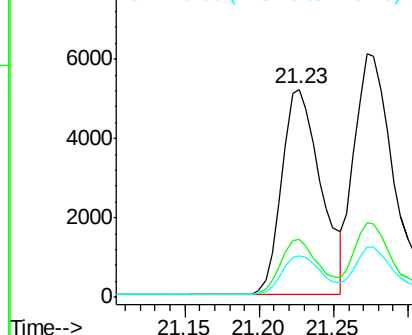
228 100

226 28.0 21.6 32.4

229 19.9 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#19

Chrysene

Concen: 0.07 ng/ul

RT: 21.27 min Scan# 3292

Delta R.T. 0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

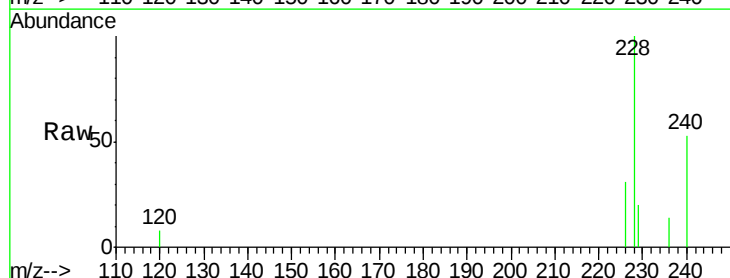
Tgt Ion:228 Resp: 12014

Ion Ratio Lower Upper

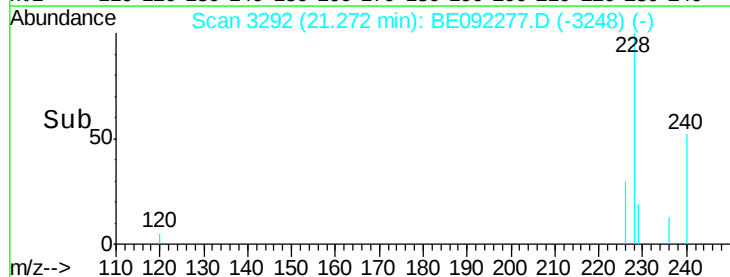
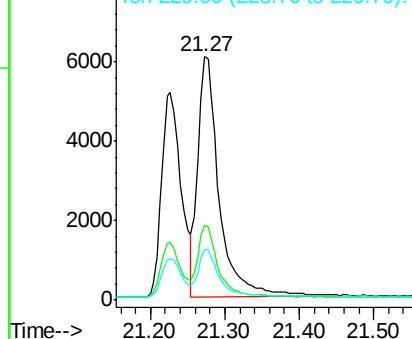
228 100

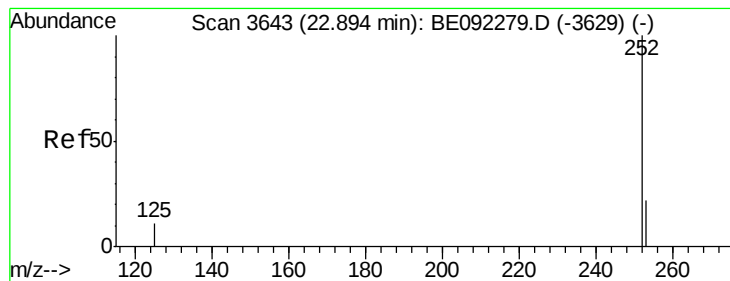
226 30.6 23.8 35.8

229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/u1

RT: 22.90 min Scan# 3646

Delta R.T. 0.00 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

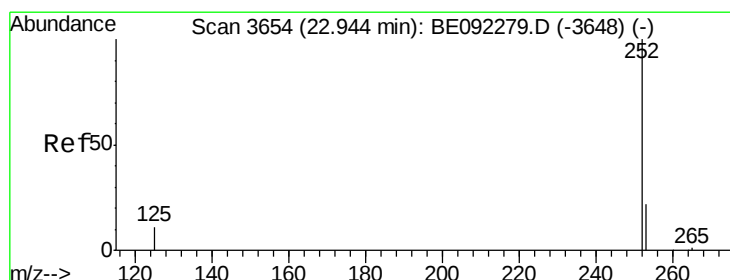
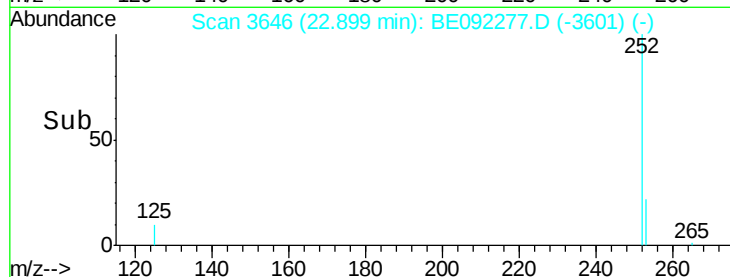
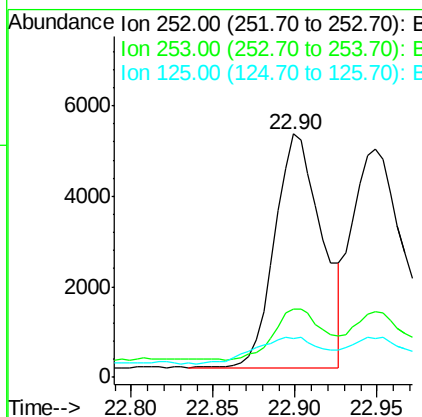
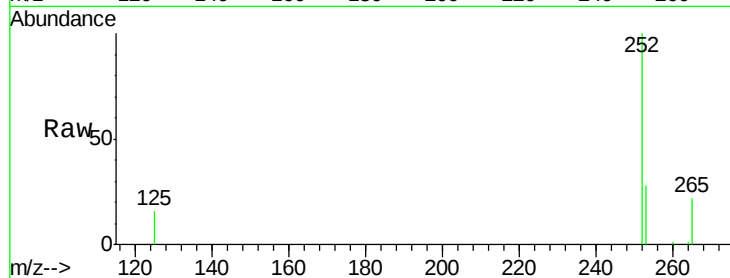
BNA_E

ClientSampleId :

SSTD0.167

Tgt Ion:252 Resp: 10367

Ion	Ratio	Lower	Upper
252	100		
253	28.1	0.0	47.6
125	16.1	0.0	24.2



#22

Benzo(k)fluoranthene

Concen: 0.07 ng/u1

RT: 22.95 min Scan# 3657

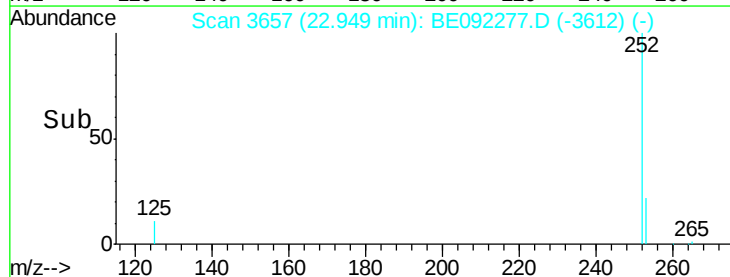
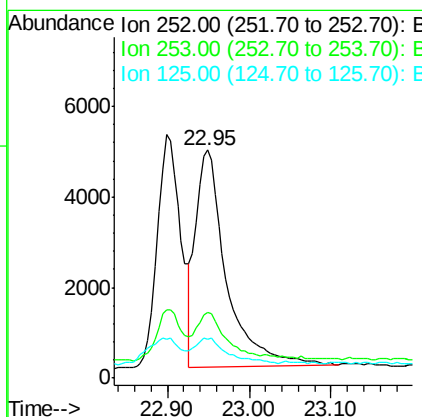
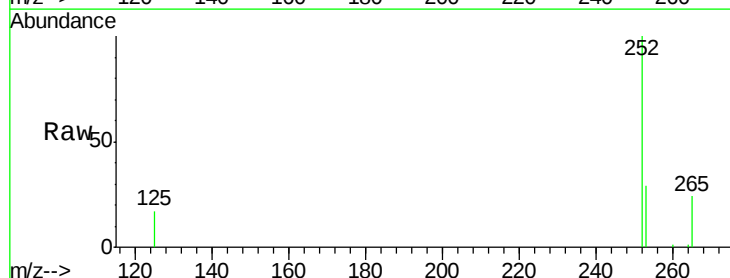
Delta R.T. 0.00 min

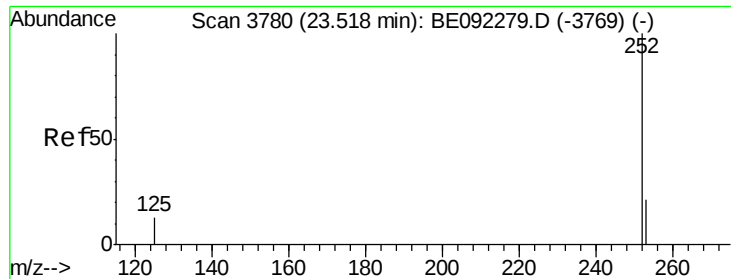
Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Tgt Ion:252 Resp: 12449

Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.7	28.1#
125	17.2	9.7	14.5#





#23

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.53 min Scan# 3784

Delta R.T. 0.01 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

Instrument :

BNA_E

ClientSampleId :

SSTD0.167

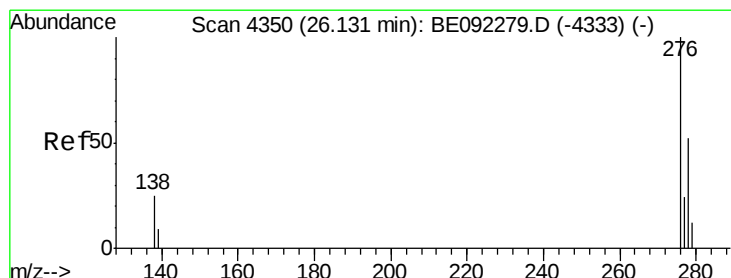
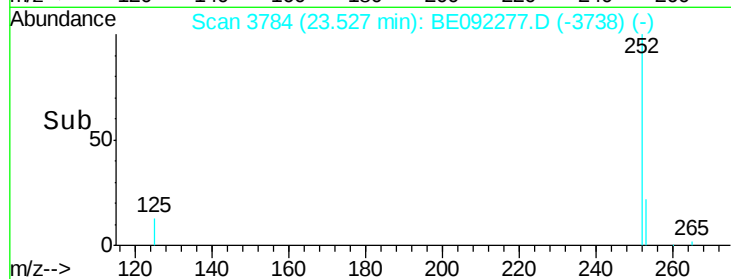
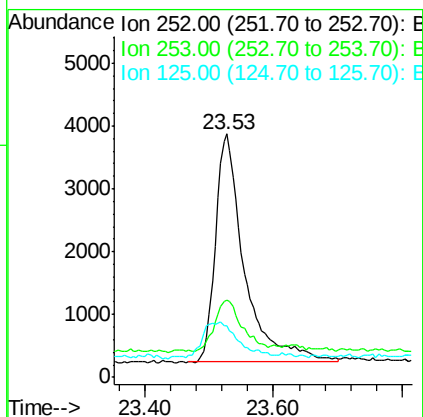
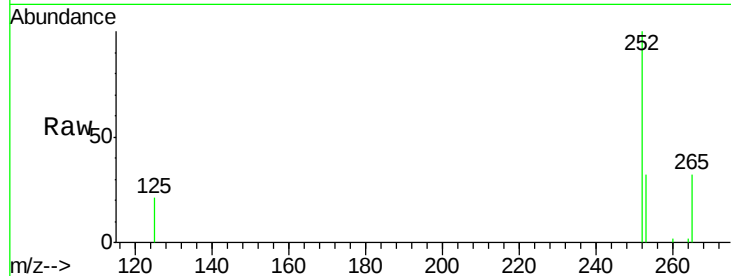
Tgt Ion:252 Resp: 11276

Ion Ratio Lower Upper

252 100

253 31.8 18.8 28.2#

125 21.4 11.9 17.9#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng/ul

RT: 26.15 min Scan# 4356

Delta R.T. 0.02 min

Lab File: BE092277.D

Acq: 25 Aug 2016 18:06

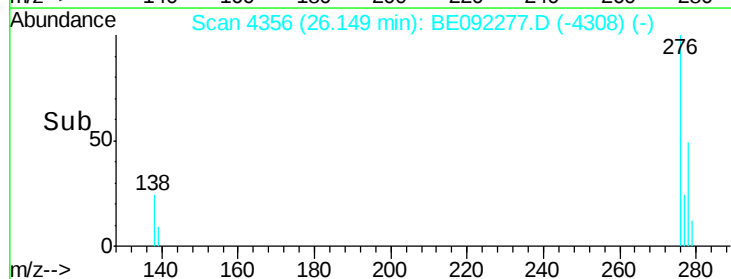
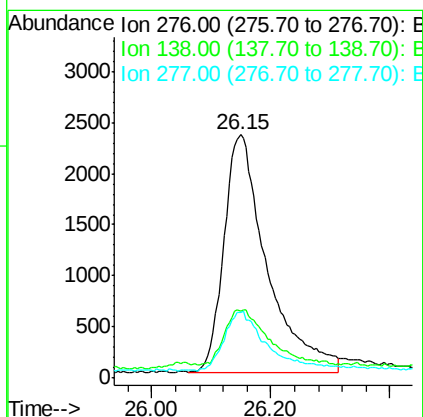
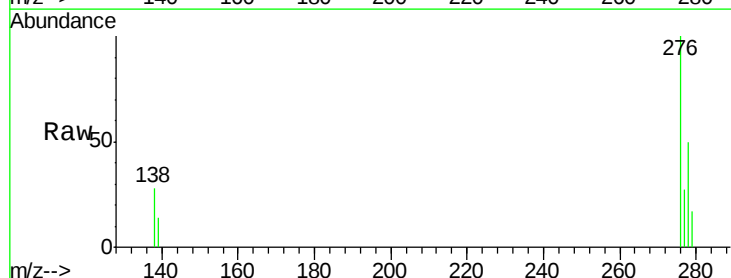
Tgt Ion:276 Resp: 11668

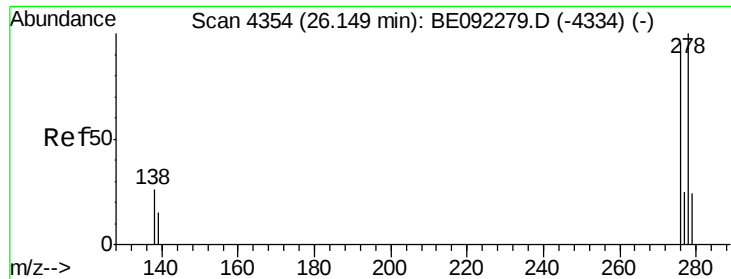
Ion Ratio Lower Upper

276 100

138 25.2 0.0 0.0#

277 24.7 0.0 0.0#

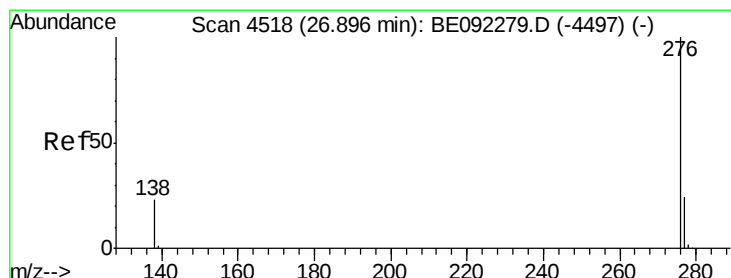
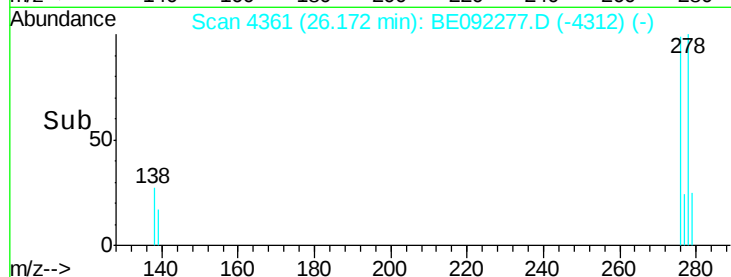
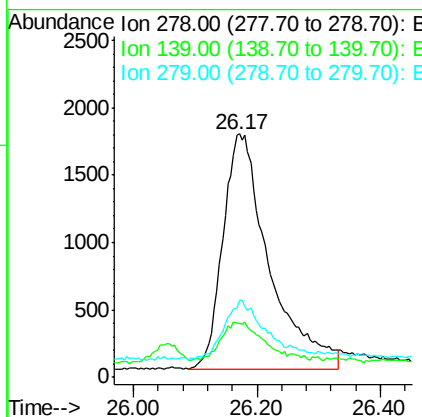
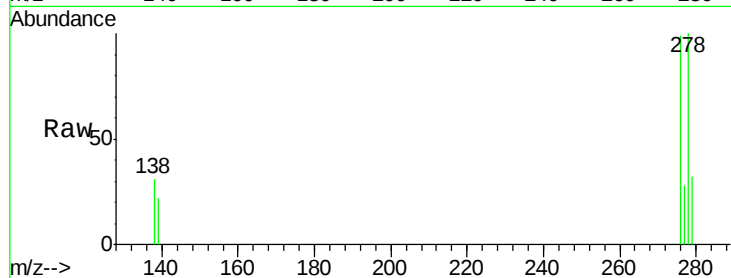




#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 26.17 min Scan# 4361
Delta R.T. 0.02 min
Lab File: BE092277.D
Acq: 25 Aug 2016 18:06

Instrument :
BNA_E
ClientSampleId :
SSTD0.167

Tgt Ion: 278 Resp: 9116
Ion Ratio Lower Upper
278 100
139 22.1 14.6 22.0#
279 31.9 20.2 30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.06 ng/ul
RT: 26.91 min Scan# 4523
Delta R.T. 0.01 min
Lab File: BE092277.D
Acq: 25 Aug 2016 18:06

Tgt Ion: 276 Resp: 10722
Ion Ratio Lower Upper
276 100
277 25.1 19.5 29.3
138 28.1 19.2 28.8

